



PTO/SB/08A (07-06)

Approved for use through 09/30/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449-110

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/675,121
Filing Date	September 30, 2003
First Named Inventor	F. Randall Murray II
Art Unit	2144
Examiner Name	Joiya M. Cloud
Attorney Docket Number	16111RRUS01U (NORT10-344)

Sheet 1 of 3

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 2002/0071539	06/13/2002	Diament et al.	
		US- 2002/0161578	10/31/2002	Saindon et al.	
		US- 6,594,693	07/15/2003	Borwankar	
		US- 2003/0233417	12/18/2003	Beyda et al.	
		US- 6,763,226	07/13/2004	McZeal, Jr.	
		US- 2004/0203677	10/14/2004	Brown et al.	
		US- 2005/0021344	01/27/2005	Davis et al.	
		US- 6,854,114	02/08/2005	Sexton et al.	
		US- 6,866,578	03/15/2005	Orendorff	
		US- 2005/0069116	03/31/2005	Murray, II	
		US- 2005/0074101	04/07/2005	Moore et al.	
		US- 6,920,475	07/19/2005	Klots et al.	
		US- 2005/0198096	09/08/2005	Shaffer et al.	
		US- 2005/0206721	09/22/2005	Bushmitch et al.	
		US- 2005/0212908	09/29/2005	Rodman et al.	
		US- 2005/0213724	09/29/2005	O'Brien et al.	
		US- 7,003,086	02/21/2006	Shaffer et al.	
		US- 7,058,036	06/06/2006	Yu et al.	
		US- 7,177,302	02/13/2007	Stademann	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

**Complete if Known**

*(Use as many sheets as necessary)*

Sheet	2	of	3
-------	---	----	---

Application Number	10/675,121
Filing Date	September 30, 2003
First Named Inventor	F. Randall Murray II
Art Unit	2144
Examiner Name	Joiya M. Cloud
Attorney Docket Number	16111RRUS01U (NORT10-344)

[illegible][illegible]

**Examiner  
Signature**

Date  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Application Number</b>	10/675,121		
		<b>Filing Date</b>	September 30, 2003		
		<b>First Named Inventor</b>	F. Randall Murray II		
		<b>Art Unit</b>	2144		
		<b>Examiner Name</b>	Joiya M. Cloud		
<b>Sheet</b>	3	<b>of</b>	3	<b>Attorney Docket Number</b>	1611RRUS01U (NORT10-00344)

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Office Action dated July 25, 2007 in connection with U.S. Patent Application No. 10/814,383 filed March 31, 2004.	
		Office Action dated December 1, 2006 in connection with U.S. Patent Application No. 10/814,383 filed March 31, 2004.	
		Office Action dated May 5, 2006 in connection with U.S. Patent Application No. 10/814,383 filed March 31, 2004.	
		Office Action dated September 21, 2005 in connection with U.S. Patent Application No. 10/814,383 filed March 31, 2004.	
		Office Action dated December 6, 2007 in connection with U.S. Patent Application No. 10/610,517 filed June 30, 2003.	
		Office Action dated June 19, 2007 in connection with U.S. Patent Application No. 10/610,517 filed June 30, 2003.	
		Office Action dated April 6, 2007 in connection with U.S. Patent Application No. 10/610,511 filed June 30, 2003.	
		Office Action dated October 12, 2007 in connection with U.S. Patent Application No. 10/610,511 filed June 30, 2003.	
		Office Action dated February 22, 2008 in connection with U.S. Patent Application No. 10/610,511 filed June 30, 2003.	
		Office Action dated December 12, 2007 in connection with U.S. Patent Application No. 10/814,080 filed March 31, 2004.	

<b>Examiner Signature</b>		<b>Date Considered</b>	
-------------------------------	--	----------------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.